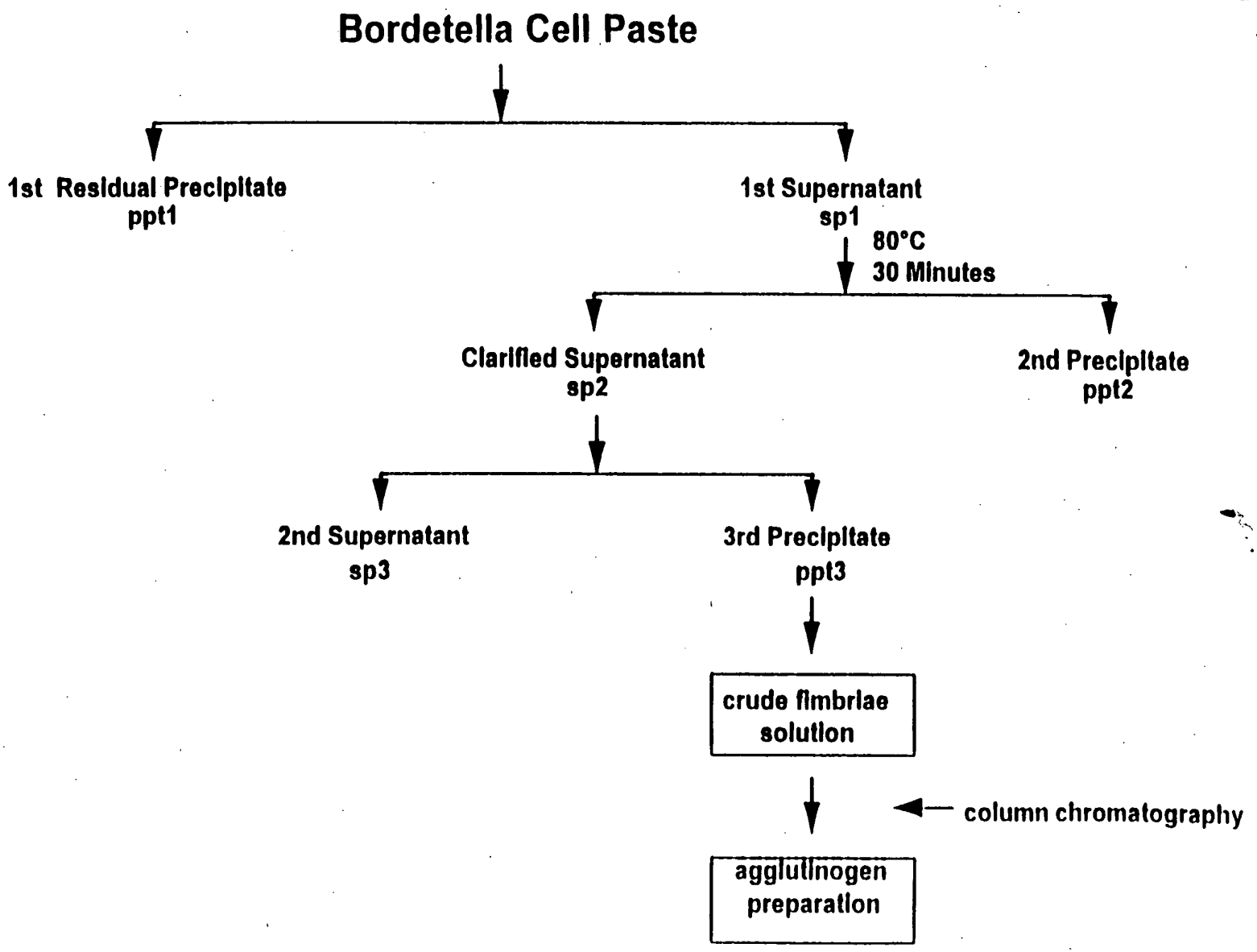
Figure 1


Bordetella Cell Paste
1st Residual Precipitate
ppt1
1st Supernatant
sp1
80°C
30 Minutes
Clarified Supernatant
sp2
2nd Precipitate
ppt2
2nd Supernatant
sp3
3rd Precipitate
ppt3
crude fimbriae
solution
column chromatography
agglutinogen
preparation